

# FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

PLP

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
GA	BPED -870417MB N/M	NEW 88.9MHZ	HOLY SPIRIT HARVEST CHURCH, INC. MACON GA	CP FOR A NEW FM EDUCATIONAL ON: FREQUENCY: 88.9 MHZ, # 205; ERP: 12 KW H&V; HAAT: 110.4 METERS H&V; TL: 2254 ROCKY CREEK ROAD, MACON, GEORGIA; SL/RC: TO BE DETERMINED 32 46 55 83 41 39 MAJOR ENVIRONMENTAL ACTION UNDER SECTION 1.1305

LICENSE EXPIRATION DATE \_\_\_\_\_

\_\_\_\_\_  
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START \_\_\_\_\_ END \_\_\_\_\_

CONTESTED ( ) UNCONTESTED ( )

APPROVED \_\_\_\_\_

\_\_\_\_\_  
FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

Original

88.9MHZ  
BPED -870417MB NEW  
MACON GA  
HOLY SPIRIT HARVEST CHURCH, INC.

ORIGINAL

RECEIVED

870417 APR 19 1987

FCC  
FEE SECTION

William Tricario, Secretary  
Federal Communications Commission  
1919 M St. N.W.  
Washington, D.C.

Date: April 7, 1987

RE: Application for noncommercial educational FM station

Dear Sir:

Enclosed please find application for a new non-commercial educational FM station to serve Macon, Georgia.

I certify that the proposed facility will be operated as a non-commercial educational station, in accordance with Section 73.503 of the Commission's rules.

I claim exemption from any applicable fees under section 1.11112 (d) of the Commission's rules.

Signed,



Samuel T. Drye  
Pastor/President

**APPLICATION FOR CONSTRUCTION PERMIT FOR  
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION**  
(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

For Commission Use Only

File No.

870417MB

**Section I****General Information**

## 1. Name of Applicant

Holy Spirit Harvest Church, Inc.

Street Address

FCC

RECEIVED

870417

FEE SECTION

City

M a c o n

State

G A

ZIP Code

3 1 2 0 6 -

Telephone No.

(Include Area Code)

912 781-7157

Send notices and communications to the following named person at the address below:

Name

Street Address

Steve Hutto, Administrator

2 2 5 4 R o c k y C r e e k R o a d

City

M a c o n

State

G A

ZIP Code

3 1 2 0 6 -

Telephone No.

(Include Area Code)

912 781-7157

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency: 205

(b) Community of license:

City

State

M a c o n

G A

(c) Check one of the following boxes:

- ☒ Application for new station  
☐ Major Change in Existing station; call sign: \_\_\_\_\_  
☐ Minor Change in Existing station; call sign: \_\_\_\_\_  
☐ Modification of Construction Permit; File No. of CP: \_\_\_\_\_  
☐ Amendment to Pending Application; Reference Number (ARN): \_\_\_\_\_

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

☐ YES ☒ NO

If Yes, State:

Call letters:

Community of license:

City

State

-

Name of Applicant

Holy Spirit Harvest Church, Inc.

## 1. (a) Applicant is: (Check one box below)

- ☐ a general partnership operating on a nonprofit basis      ☒ a nonprofit corporation  
(See Exhibit A-4)
- ☐ a limited partnership operating on a nonprofit basis      ☐ Other (specify)
- ☐ a governmental or public educational agency or institution

If the applicant is an unincorporated association or a legal entity other than a partnership, nonprofit corporation, or a governmental or public educational agency or institution, describe in Exhibit No. NA the nature of the applicant.

- (b) Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or any other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended.      ☐ YES      ☒ NO

If Yes, provide particulars as Exhibit No. NA.

- (c) Does the applicant certify that copies of all pertinent documents set out in (b) are in the public inspection file?      ☒ YES      ☐ NO

Describe in Exhibit No. A-1 how the proposed station will be used for the advancement of an educational program. This does <sup>Not</sup> apply if applicant is applying for change in facilities.

## Citizenship And Other Statutory Requirements

2. (a) Is the applicant in compliance with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and Foreign governments?      ☒ YES      ☐ NO

- (b) Will any funds, credits, etc., for the construction, purchase or operation of the station be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?      ☐ YES      ☒ NO

If yes, provide particulars as Exhibit No. NA.

3. (a) Has an adverse finding been made, adverse final action taken or consent decree approved by any court or administrative body as to the applicant or any party to the application in any civil or criminal proceeding brought under the provisions of any law related to the following subjects:  
Any felony, antitrust, unfair competition, fraud, unfair labor practices or discrimination?      ☐ YES      ☒ NO

- (b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a)?      ☐ YES      ☒ NO

If the answer to (a) or (b) above is Yes, attach as Exhibit No. NA, a full disclosure concerning the persons and matters involved, identifying the court or administrative body and the proceeding (by dates and file numbers), stating the facts upon which the proceeding was based or the nature of the offense committed, and disposition or current status of the matter.

Applicants are reminded that questions 4 through 5 of this Section must be completed as to all "parties to this application" as that term is defined in the instructions to Section II of this form.

Table I Parties To Application

4. Complete Table I with respect to all parties to this application.

(Note: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification)

INSTRUCTIONS: If applicant is partnership, fill out columns (a), (b), and (d), stating as to each general or limited partner (including silent partners): (a) name and residence, (b) nature of partnership interest (i.e., general or limited), and (d) percent of ownership interest. If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificate or other ownership interest, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interest. If applicant is governmental or public educational agency or institution, fill out columns (a) and (c) as to all members of the governing board and chief executive.

Name and Residence Address(es)	Nature of Partnership Interest or Office Held	Director or Member of Governing Board		% of: Ownership (O) or Partnership (P) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
Samuel T. Drye 2638 Minuette Macon, Ga. 31210	President	yes		n/a
Earl Rowntree 2651 Rocky Creek Rd. Macon, Ga. 31206	Secretary/Treas.	yes		n/a
Charles Skipper 1661 Griffin Rd. Macon, Ga. 31206	n/a	yes		n/a
John Hatton, Sr. Rt. 1 Searcy Rd. Macon, Ga. 31210	n/a	yes		n/a
D. C. Nelms Rt. 4 Box 129 Gray, Ga. 31032	n/a	yes		n/a

5. Has the applicant or any party to this application had any interest in:

- (a) a broadcast application which has been dismissed with prejudice by the Commission? ☐ YES ☒ NO
- (b) a broadcast application which has been denied by the Commission? ☐ YES ☒ NO
- (c) a broadcast station, the license of which has been revoked? ☐ YES ☒ NO
- (d) a broadcast application in any Commission proceeding which left unresolved character issues against that applicant? ☐ YES ☒ NO
- (e) If the answer to any of the questions above is Yes, attach Exhibit No. NA , stating the following information:
- (1) Name of party having such interest;
  - (2) Nature of interest or connection, giving dates;
  - (3) Call letters of stations or file number of application, or docket number;
  - (4) Location.

#### Ownership and Control

6. Are there any documents, instruments, contracts, or understandings relating to ownership or future ownership rights (including, but not limited to, non-voting stock interests, beneficial stock ownership interest) or control? ☐ YES ☒ NO

If Yes, provide particulars as Exhibit No. NA .

7. Do documents, instruments, agreements or understandings for the pledge of stock of a corporate applicant, as security for loans or contractual performance, provide that (a) voting rights will remain with the applicant, even in the event of default on the obligation; (b) in the event of default, there will be either a private or public sale of the stock; and (c) prior to the exercise of stockholder rights by the purchaser at such sale, the prior consent of the Commission [pursuant to 47 U.S.C. 310(d)] will be obtained? ☐ YES ☒ NO

If No, attach as Exhibit No. A-2, a full explanation.

Note: If this application is for a change in an operating facility, **DO NOT** fill out this section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? ☐ YES ☒ NO
2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? ☐ YES ☒ NO

NOTE: If either 1 or 2 is answered "Yes", your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration no further action on your part is required. If you rely on funds from a source specified in Question 2, *you must advise the F.C.C. when the funds are committed or appropriated.* This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. Except as indicated in Questions Numbered 1 and 2 above, the applicant certifies that:
- (a) It has a reasonable assurance of present commitments from each donor, from each party agreeing to furnish capital, from each bank, financial institution or others agreeing to lend funds, and from each equipment supplier agreeing to extend credit: ☒ YES ☐ NO
- (b) It can and will meet all contractual requirements as to collateral, guarantees, and capital investments or donations: ☒ YES ☐ NO
- (c) It has determined that a reasonable assurance exists that all such sources (excluding banks, financial institutions, and equipment manufacturers) have sufficient net liquid assets to meet these commitments. ☒ YES ☐ NO
4. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or available from committed sources to construct and operate the requested facilities for three months without additional funds. ☒ YES ☐ NO

## Section IV

## Program Service Statement

For AM, FM and TV Applications

Attach as Exhibit No A-3, the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.

Name of Applicant Holy Spirit Harvest Church, Inc

1. Purpose of authorization applied for:

☒ Construct a new station (See Ex. # 1)

☐ Install Auxiliary system

Change:

☐ Effective radiated power

☐ Frequency

☐ Antenna height above average terrain

☐ Transmitter location

☐ Studio location outside community of license

☐ Other (Summarize briefly the nature of the changes proposed.)

2. Community of license:

State

Georgia

City or Town

Macon

3. Facilities requested:

Frequency

Channel No.

Class (Check one below)

205 MHz 88.9

☐ A ☐ B ☐ B1  
☐ C ☐ C1 ☒ C2 ☐ D

4. Geographic coordinates of antenna (to nearest second)

North Latitude 32° 46' 55" West Longitude 83° 41' 39"

5. Effective radiated power:

Polarization

Horizontal Plane

Maximum (Beam tilt only)

Horizontal 12 kW

- kW

Vertical 12 kW

- kW

6. Height in meters of antenna radiation center:

Above  
Average terrain (HAAT)

Above  
Mean Sea Level

Above  
Ground

Horizontal 110.4 meters 224.6 meters 131.7 meters

Vertical 110.4 meters 224.6 meters 131.7 meters

7. Is a directional antenna being proposed?

☐ YES ☒ NO

If Yes, attach as Exhibit No. N/A an engineering statement with all data specified in Section 73.316(d) of the Commission's Rules.



8. Transmitter location: State Georgia County Bibb  
City or Town Macon Street Address (or other identification) 2254 Rocky Creek Road

9. Overall height of complete structure above ground, including all appurtenances and lighting (if any, see Part 17). 140.2 meters

10. Attach as Exhibit No. 2 map(s) (Sectional Aeronautical charts or equivalent) of the area proposed to be served and shown thereon:

- (a) Proposed transmitter location and the radials along which the profile graphs have been prepared;
- (b) The 1mV/m predicted contour;
- (c) Area (sq. mi.) and population (latest census) within 1 mV/m contour;
- (d) Scale of miles or kilometers (kilometers if available).

11. Attach as Exhibit No. 2 a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Enter the following from Exhibit above:

Gain Area 3,666.4 sq. km  
Loss Area -0- sq. km

Percent change (gain area plus loss area as percentage of present area) 100 %.

If 50% or more this constitutes a major change. Indicate in question 2(e), Section I, accordingly.

12. If the main studio will not be within the boundaries of the principal community to be served, attach as Exhibit No. N/A a justification pursuant to Section 73.1125(f) of the Commission's Rules.

13. Attach as Exhibit No. 3 map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of the proposed antenna location showing the following information:

- (a) Proposed transmitter location accurately plotted with the latitude, the longitude lines clearly marked and showing a scale of statute kilometers.
- (b) Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna location.

**There are no AM stations within 2 miles of proposed facilities.**

14. If there are any FM or TV stations within 200 feet of proposed antenna or non-broadcast radio stations (except amateur and citizens band), or established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. N/A the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable effect on existing stations.

19. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? ☐ Yes ☒ No  
If Yes, attach as Exhibit No. N/A showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.
- 
20. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. \* information required in 1/(*separation requirements involving intermediate frequency [i.f.] interference*).  
\* No I.F. relationships found.
- 
21. Is the proposed operation on Channel 218, 219 or 220? ☐ Yes ☒ No  
If Yes, attach as Exhibit No. N/A information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222, and 223.
- 
22. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised? ☒ Yes ☐ No  
If Yes, attach as Exhibit No. 5 a map showing the Grade B contour of the television station and the proposed antenna location. Also include discussion of the possibility of interference to the Channel 6 station and the steps proposed to remedy any interference which may occur.
- 
23. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)? ☐ Yes ☒ No  
If Yes, attach as Exhibit No. N/A information required in 1/ (*Except for class D [secondary] proposals.*)
- 
24. If the proposed antenna location is in or near a populated area, attach Exhibit No. 6 a discussion of blanketing and the steps proposed to remedy any interference which may occur.
- 
25. Environmental Statement, See Part I, Subpart 1 of the Commission's Rules.  
Would a Commission grant of this application be a major action as defined by Section 1.1305 of the Commission's Rules? ☒ Yes ☐ No  
If Yes, attach as Exhibit No. 7 a narrative statement in accordance with Section 1.1311 of the Commission's Rules.  
If No, explain briefly. See exhibit # 8 for R.F. statement

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Nov. 24, 1986

Date

Douglas L. Vernier

Name

Douglas L. Vernier  
Signature (check appropriate box below)

1600 Picturesque Dr.

Address (include ZIP Code)

Cedar Falls, IA 50613

319 266-7435

Telephone No. (include Area Code)

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☒ Technical Consultant

☐ Other (Specify)

15. Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing 7.5 minute topographic maps, if available.)

Radial bearing (degrees true)	Height of antenna, radiation center above average elevation of radial (3-16 kilometers) Meters	Predicted Distance
		To the 1 mV/m contour
		Kilometers
0°	_____	_____
45°	_____	_____
90°	_____	_____
135°	_____	_____
180°	*	*
225°	_____	_____
270°	_____	_____
315°	_____	_____

\* See Exhibit # 1, Pg. # 1, 3, 4 & 5

#### Allocation Studies

(See Subpart C of Part 73 of the Commission's Rules and Regulations)

16. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?  
☐ Yes ☒ No
- If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.
17. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. N/A information required in 1/.
18. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as Exhibit No. 4 a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:
- The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
  - Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
  - Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
  - Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
  - Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
  - When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
  - A scale of miles and properly labeled longitude and latitude lines, shown across the entire (Exhibit(s)). Sufficient lines should be shown so that the location of the sites may be verified.
  - The name of the map(s) used in the exhibit(s).

1/ A showing that the proposed operation meets the minimum distance separation requirements. If any separations are proposed that are less than the applicable minimum separation requirements plus 15 kilometers, include these stations. Also include existing stations, proposed stations, and cities which appear in the Table of Assignments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

Name of Applicant <b>Holy Spirit Harvest Church, Inc.</b>	Call Sign <b>TBA</b>	Station Location <b>Macon, Georgia</b>
Purpose of Application (Put "X" in appropriate box) <input checked="" type="checkbox"/> New antenna construction <input type="checkbox"/> Alteration of existing antenna structure <input type="checkbox"/> Change in location		Facilities Requested <b>Ch. 205, 88.9 MHz.</b> <b>12 kW, 110.4M HAAT, 131.7M A.G.</b>

1. Location of Antenna:
- |                         |                       |                              |
|-------------------------|-----------------------|------------------------------|
| State<br><b>Georgia</b> | County<br><b>Bibb</b> | City or Town<br><b>Macon</b> |
|-------------------------|-----------------------|------------------------------|

Exact antenna location (*street address*). If outside city limits, give name of nearest town and distance and direction of antenna from town.

**2254 Rocky Creek Road**

Geographical coordinates (*to nearest second*). For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude	32° 46' 55"	West Longitude	83° 41' 39"
----------------	-------------	----------------	-------------

2. Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission? ☐ YES ☒ NO

If Yes, give call sign:

3. Has the FAA been notified of proposed construction? ☒ YES ☐ NO  
 If Yes, give date and office where notice was filed. **Nov. 15, 1986, Atlanta, GA**

4. List all landing areas within 5 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

Landing Area	Distance	Direction
(a) <u>Wilson</u>	<u>9.8 km</u>	<u>154 degrees T.</u>
(b) _____	_____	_____
(c) _____	_____	_____

5. Attach as Exhibit No.   \*   a description of the antenna system, including whether tower(s) are self-supporting or guyed. If a directional antenna, give spacing and orientation of towers. **5 bay side-mounted antenna on uniform-cross section guyed tower.**

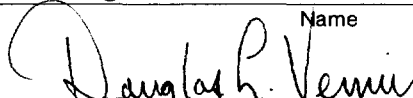
Tower		#1	#2	#3	#4	#5	#6
Overall height above ground (include obstruction lighting)	meters	140.2					
	feet	460					
Overall height above mean sea level (include obstruction lighting)	meters	233.2					
	feet	765.1					

6. Attach as Exhibit No. 9 a vertical plan sketch for the proposed total structure (including supporting building, if any) giving heights above ground in feet and meters for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Douglas L. Vernier

Name



Signature (Check appropriate box below)

1600 Picturesque Dr.

Address (include ZIP Code)

Cedar Falls, IA 50613

319 266-7435

Telephone No. (Include Area Code)

☐ Technical Director

☐ Registered Professional Engineer

☐ Other (specify)

☒ Technical Consultant

☐ Chief Operator

## Section VI

## Equal Employment Opportunity Program

1. Does the applicant propose to employ five or more fulltime employees?

☐ YES ☒ NO

If the answer is Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program [FCC Form 396 (A)].

## Section VII

## Certification

1. Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules?

☒ YES ☐ NO

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and are incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

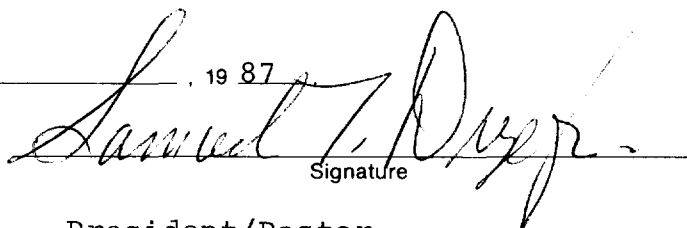
In accordance with Section 1.65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.  
U.S. CODE, TITLE 18, Section 1001.**

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 27th day of March, 19 87

Holy Spirit Harvest Church, Inc.  
Name of Applicant

  
Signature

President/Pastor

Title

**FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT  
AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested Permit.

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.**

A F F I D A V I T

COUNTY OF BLACK HAWK)

- SS.:

STATE OF IOWA)

DOUGLAS L. VERNIER, being duly sworn upon oath, deposes and says:

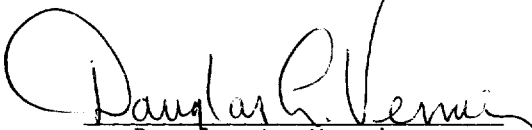
That he has held a Federal Communications Commission First Class Radiotelephone License continually since 1964. In 1985 this license was reissued by the Commission as a lifetime General Radiotelephone license no. PG-16-16464;

That he studied engineering at the University of Michigan and that he has received degrees from the University in Radio and Television Communication. That he has been active in Broadcast Consulting for over 16 years;

That his qualifications are a matter of record with the Federal Communications Commission;

That he has been retained by the Holy Spirit Harvest Church of Macon, Georgia and has developed the engineering showings appended hereto;

That he has prepared these engineering showings, the technical information contained in same and the facts stated within are true of his knowledge.

  
Douglas L. Vernier

Sworn to and subscribed before me  
this 25<sup>th</sup> day of November, 1986.

  
Notary Public

My commission expires:

July 24, 1989





EXHIBIT #1  
ENGINEERING STATEMENT

Concerning the Application of  
Holy Spirit Harvest Church of Macon, GA

Nov. 22, 1986

Channel 205

12 kW.

This engineering statement supports the application by the Holy Spirit Harvest Church of Macon, Georgia to construct a non-commercial educational FM radio station at Macon.

Under the instant proposal, the type approved FM transmitter generates an output power of 4.89 kilowatts. The 3 1/8" Cablewave type 652A rigid copper transmission line, has an efficiency for its 134.7 meter length (442') of 90.33 percent. Therefore, the proposed Harris, five bay, circularly polarized, antenna (FMH-5AE) has at its input 4.417 kilowatts of power. The antenna has a power gain of 2.7154 in both planes resulting in an effective radiated power of 11.99 kW, rounded to 12 kW.

Pages 3-6 of this exhibit show the terrain profiles and predicted contours of the proposed facility and the station in Athens, Georgia having a critical frequency and distance relationship.

Exhibit # 2 is a sectional aeronautical chart showing the proposed 60 dBu F(50-50) contour as predicted from the 24 evenly spaced, two to ten mile, radials used to determine the antenna height above average terrain. The terrain radials were drawn from the terrain analysis program of the Institute for Telecommunication Sciences, Boulder, Colorado. The area within the 60 dBu contour amounts to 3,666.4 sq. km. This figure was determined by averaging the 60 dBu contours along all 24 radials and applying the resultant to the area formula. The population was determined to be 271,849 people by superimposing the 60 dBu contour over a U.S. Census map and applying figures from the 1980 census.

Exhibit # 3 is full scale section of a 7 1/2 minute U.S. Geological Survey topographic quadrangle map showing the exact transmitter location. Page # 2 of this exhibit is a photo-reduction of the entire map. There are no AM transmitters within 2 miles of the proposed site.

Exhibit # 4 is an allocation map which shows the proposed 40 dBu co-channel interference contour and the Athens construction permit's protected 60 dBu contour, prepared along actual radials as derived from its license file. This station and all others having a frequency and distance relationship are listed in the exhibit # 4a computer print-out. Exhibit # 4b is a description of how to read the print-out. No interference is either caused nor received by the facilities of the instant proposal. There are no pertinent I.F. relationships.



Exhibit # 5, is a channel-six study, reflecting compliance by the applicant to the requirements of Sec. 73.525 of the Rules and Regulations.

Exhibit # 6 is a discussion of blanketing and a statement acknowledging the applicant's responsibilities

Exhibit # 7 is an statement regarding the proposed tower's impact on the environment.

Exhibit # 8 shows compliance with the Commission's R.F. radiation standards.

Exhibit # 9 is a vertical sketch showing the existing tower and side-mounted antenna.

Doug Vernier

Institute for Telecommunication Sciences, Boulder, Colorado  
 PROFILE  
 Heights Above Average Terrain and Average Elevations  
 SAT 08 NOV 1986 10:44

From: HSHC                      32,46,55 N              83,41,39 W  
                                  32.7819 N              83.6942 W  
 Antenna Center of Radiation above Ground =      432.0 ft  
    131.7 m  
 Antenna Base Height above Mean Sea Level =      305.0 ft  
    93.0 m

To:	Av9 Elev from 2 to 10 mi (ft)	Antenna Height above Av9 Terrain 2 to 10 mi (ft)	No. of Elev Points Av9'd 2 to 10 mi
0.000 DEG AZ 32.9267 83.6942	402.5	334.5	81
15.000 DEG AZ 32.9218 83.6495	359.8	377.2	81
30.000 DEG AZ 32.9073 83.6079	393.7	343.3	81
45.000 DEG AZ 32.8843 83.5723	388.5	348.5	81
60.000 DEG AZ 32.8543 83.5449	349.2	387.8	81
75.000 DEG AZ 32.8193 83.5277	333.5	403.5	81
90.000 DEG AZ 32.7818 83.5219	341.7	395.3	81
105.000 DEG AZ 32.7444 83.5279	323.1	413.9	81
120.000 DEG AZ 32.7095 83.5451	301.1	435.9	81
135.000 DEG AZ 32.6795 83.5725	304.4	432.6	81
150.000 DEG AZ 32.6565 83.6082	330.0	407.0	81
165.000 DEG AZ 32.6421 83.6497	350.5	386.5	81
180.000 DEG AZ 32.6371 83.6942	392.9	344.1	81

195.000 DEG AZ	410.7	326.3	81
32.6421 83.7387			
210.000 DEG AZ	397.6	339.4	81
32.6565 83.7802			
225.000 DEG AZ	397.3	339.7	81
32.6795 83.8158			
240.000 DEG AZ	381.5	355.5	81
32.7095 83.8432			
255.000 DEG AZ	395.5	341.5	81
32.7444 83.8605			
270.000 DEG AZ	394.8	342.2	81
32.7818 83.8664			
285.000 DEG AZ	419.6	317.4	81
32.8193 83.8606			
300.000 DEG AZ	358.8	378.2	81
32.8543 83.8434			
315.000 DEG AZ	428.4	308.6	81
32.8843 83.8161			
330.000 DEG AZ	423.7	313.3	81
32.9073 83.7804			
345.000 DEG AZ	417.0	320.0	81
32.9218 83.7388			

For bearings from 0.0 to 345.0 degs, spaced every 15.0 degs,  
the average terrain height from 2 to 10 mi is 374.8 ft.

For bearings from 0.0 to 345.0 degs, spaced every 15.0 degs,  
the height above average terrain from 2 to 10 mi is 362.2 ft.

CH. 205 - HOLY SPIRIT HARVEST CHURCH  
 11/17/86  
 ERP= 12 KW, 10.7918 dBk

Ex. # 1, Pg. # 5  
 Doug Vernier  
 Broadcast Consultant  
 319-266-7435

Radial Bearing	C.O.R. H.A.A.T.	Power KW	Predicted Contours:			
			60 dBu/.5		40 dBu/.1	
			Distance		Distance	
			KM	Mi	KM	Mi
<hr/>						
0 D 102.0M,	335F	12.00	32.8	20.4	98.7	61.3
15 D 115.0M,	377F	12.00	35.0	21.7	100.9	62.7
30 D 104.6M,	343F	12.00	33.2	20.6	99.1	61.6
45 D 106.2M,	349F	12.00	33.5	20.8	99.4	61.8
60 D 118.2M,	388F	12.00	35.6	22.1	101.5	63.1
75 D 123.0M,	404F	12.00	36.4	22.6	102.3	63.6
90 D 120.5M,	395F	12.00	36.0	22.4	101.9	63.3
105 D 126.2M,	414F	12.00	36.7	22.8	102.8	63.9
120 D 132.9M,	436F	12.00	37.4	23.2	103.8	64.5
135 D 131.9M,	433F	12.00	37.3	23.2	103.6	64.4
150 D 124.1M,	407F	12.00	36.5	22.7	102.4	63.6
165 D 117.8M,	387F	12.00	35.5	22.1	101.4	63.0
180 D 104.9M,	344F	12.00	33.3	20.7	99.2	61.6
195 D 99.5M,	326F	12.00	32.3	20.1	98.2	61.0
210 D 103.4M,	339F	12.00	33.0	20.5	98.9	61.5
225 D 103.5M,	340F	12.00	33.0	20.5	98.9	61.5
240 D 108.4M,	356F	12.00	33.9	21.1	99.8	62.0
255 D 104.1M,	342F	12.00	33.1	20.6	99.0	61.5
270 D 104.3M,	342F	12.00	33.2	20.6	99.1	61.6
285 D 96.7M,	317F	12.00	31.9	19.8	97.7	60.7
300 D 115.3M,	378F	12.00	35.1	21.8	101.0	62.8
315 D 94.1M,	309F	12.00	31.5	19.6	97.2	60.4
330 D 95.5M,	313F	12.00	31.7	19.7	97.5	60.6
345 D 97.5M,	320F	12.00	32.0	19.9	97.9	60.8
<hr/>						

HAAT = 362.2 Ft. ( 110.4 M), AREA = 1415.6 SQ Mi, 3666.4 SQ KM

CH. 205 - ATHENS GA - P.A.B.C.  
 11/17/86  
 ERP= 1.33 KW, 1.23852 dBk

Ex. # 1, Pg. # 6  
 Doug Vernier  
 Broadcast Consultant  
 319-266-7435

Predicted Contour:  
 60 dBu/.5

Radial Bearing	C.O.R. H.A.A.T.	Power KW	Distance KM	Mi
0 D	94.0M, 308F	1.33	19.0	11.8
15 D*	101.5M, 333F	1.33	19.9	12.4
30 D*	108.9M, 357F	1.33	20.6	12.9
45 D	116.4M, 382F	1.33	21.7	13.5
60 D*	119.1M, 391F	1.33	22.1	13.7
75 D*	121.7M, 399F	1.33	22.4	13.9
90 D	124.3M, 408F	1.33	22.6	14.0
105 D*	116.9M, 383F	1.33	21.8	13.5
120 D*	109.4M, 359F	1.33	20.9	13.0
135 D	101.9M, 334F	1.33	20.0	12.4
150 D*	104.5M, 343F	1.33	20.3	12.6
165 D*	107.1M, 352F	1.33	20.6	12.8
180 D	109.8M, 360F	1.33	20.9	13.0
195 D*	102.8M, 337F	1.33	20.1	12.5
210 D*	95.8M, 314F	1.33	19.2	11.9
225 D	88.8M, 291F	1.33	18.4	11.4
240 D*	89.1M, 292F	1.33	18.4	11.4
255 D*	89.3M, 293F	1.33	18.5	11.5
270 D	89.5M, 294F	1.33	18.5	11.5
285 D*	85.1M, 279F	1.33	18.0	11.2
300 D*	80.6M, 264F	1.33	17.5	10.9
315 D	76.1M, 250F	1.33	16.9	10.5
330 D*	82.1M, 269F	1.33	17.6	10.9
345 D*	88.0M, 289F	1.33	18.3	11.4

HAAT = 328.5 Ft. ( 100.1 M), AREA = 473.9 SQ MI, 1227.4 SQ KM  
 \* = Radials interpolated between standard radials



Ex. #3  
H.S.H.C.  
SITE MAP  
11/20/86  
Doug Vernler

← Proposed transmitter

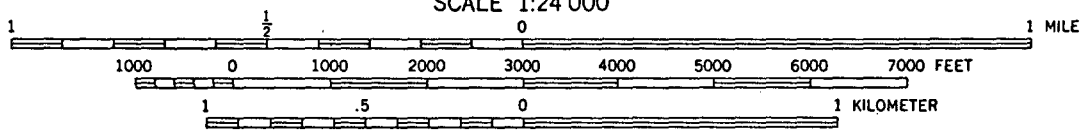
RY 19 N. 42° 30'

(WARNER ROBINS NW)  
4249 II NW

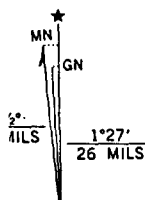
BYRON 9 MI.  
PERRY 21 MI.

45° 00'

SCALE 1:24 000



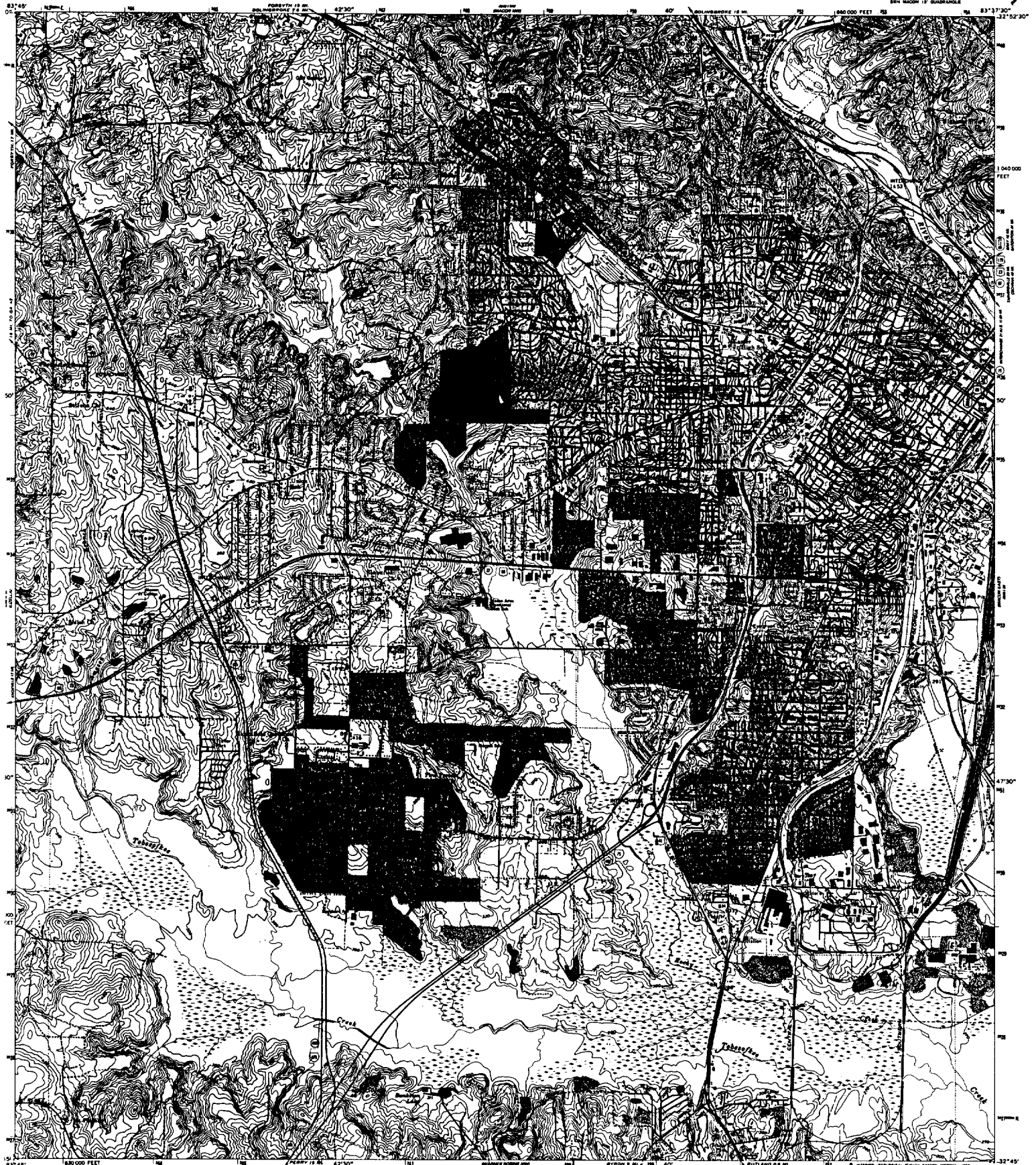
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



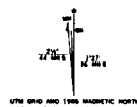
# Holy Spirit Harvest Church

Ex # 3, Pg. # 2

MACON WEST QUADRANGLE  
GEORGIA-BIBB CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey  
Control by USGS, NOS/NOAA, and Georgia Geodetic Survey  
Topography by photogrammetric methods from aerial  
photographs taken 1954. Field checked 1986  
Polyconic projection. 10,000-foot grid ticks based on  
Georgia coordinate system, west zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 13 meters south and  
10 meters west as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked  
Red line indicates areas in which only  
landmark buildings are shown



SCALE 1:24,000  
1 2 3 4 5 6 7 8 9 10  
0 1000 2000 3000 4000 5000 6000 7000 FEET  
0 1 2 3 4 5 6 7 8 9 10  
0 1000 2000 3000 4000 5000 6000 7000 METERS  
CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC DATUM OF 1983

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22062  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



Revisions shown in purple and woodland compiled in cooperation  
with State of Georgia agencies from aerial photographs taken 1981  
and other sources. This information not field checked  
Map edited 1985  
Purple tint indicates extension of urban areas

ROAD CLASSIFICATION  
Heavy-duty Light-duty  
Medium-duty Unimproved dirt  
U.S. Route State Route  
Interstate Route  
MACON WEST, GA.  
804 MACON 15 QUADRANGLE  
32083-06-17-024  
1986  
PHOTOGRAPHIC 1986  
DMA 4246 15-7 SERIES 1946



# U.S. Aeronautical Chart

Athens CP, Ch. 205 -->

1.33 kW at 100M HAAT

BPED 831227AF

60 dBu F(50-50) -->

Proposed 40 dBu F(50-10)

Proposed Ch. 205 transmitter

Ex. #4  
H.S.H.C.  
ALLOCATION CHART  
11/17/86  
Doug Vernier

12 kW at 110.4M HAAT

Scale in KM

